

SEQUENCE LISTING

<110> Bruce, Wesley B.

<120> A Nitrate-Responsive Root
Transcriptional Factor

<130> 1263

<150> US 60/238,292

<151> 2000-10-05

<160> 2

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1280

<212> DNA

<213> Zea mays

<220>

<221> CDS

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agcgtgcaag cgcgagccag ggtcaagaag agagctagct agctataggc cggagatcg	359
atg ggg agg gga aag atc gtg atc cgc agg atc gat aac tcc acg agc	407
Met Gly Arg Gly Lys Ile Val Ile Arg Arg Ile Asp Asn Ser Thr Ser	
1 5 10 15	
cgg cag gtg acc ttc tcc aag cgc cgg aac ggg atc ttc aag aag gcc	455
Arg Gln Val Thr Phe Ser Lys Arg Arg Asn Gly Ile Phe Lys Lys Ala	
20 25 30	
aag gag ctc gcc atc ctc tgc gat gcg gag gtc ggc ctc gtc atc ttc	503
Lys Glu Leu Ala Ile Leu Cys Asp Ala Glu Val Gly Leu Val Ile Phe	
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tcc agc acc ggc cgc ctc tac gag tac tct agc acc agc atg aaa tca	551
Ser Ser Thr Gly Arg Leu Tyr Glu Tyr Ser Ser Thr Ser Met Lys Ser	
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gtt ata gat cgg tac ggc aag gcc aag gaa gag cag caa gtc gtc gca	599
Val Ile Asp Arg Tyr Gly Lys Ala Lys Glu Glu Gln Gln Val Val Ala	
65 70 75 80	
aat ccc aac tcg gag ctt aag ttt tgg caa agg gag gca gca agc ttg	647
Asn Pro Asn Ser Glu Leu Lys Phe Trp Gln Arg Glu Ala Ala Ser Leu	
85 90 95	

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Val	Ile	Asp	Arg	Tyr	Gly	Lys	Ala	Lys	Glu	Glu	Gln	Gln	Val	Val	Ala	
65					70				75						80	
Asn	Pro	Asn	Ser	Glu	Leu	Lys	Phe	Trp	Gln	Arg	Glu	Ala	Ala	Ser	Leu	
			85						90					95		
Arg	Gln	Gln	Leu	His	Asn	Leu	Gln	Glu	Asn	Tyr	Arg	Gln	Leu	Thr	Gly	
			100					105					110			
Asp	Asp	Leu	Ser	Gly	Leu	Asn	Val	Lys	Glu	Leu	Gln	Ser	Leu	Glu	Asn	
		115					120					125				
Gln	Leu	Glu	Thr	Ser	Leu	Arg	Gly	Val	Arg	Ala	Lys	Lys	Asp	His	Leu	
	130					135					140					
Leu	Ile	Asp	Glu	Ile	His	Asp	Leu	Asn	Arg	Lys	Ala	Ser	Leu	Phe	His	
145					150					155					160	
Gln	Glu	Asn	Thr	Asp	Leu	Tyr	Asn	Lys	Ile	Asn	Leu	Ile	Arg	Gln	Glu	
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Val	Asn	Arg	Glu	Ser	Pro	Thr	Pro	Phe	Asn	Phe	Ala	Val	Val	Glu	Thr	
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Arg	Asp	Val	Pro	Val	Gln	Leu	Glu	Leu	Ser	Thr	Leu	Pro	Gln	Gln	Asn	
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